

SECTION 01730

OSHA SAFETY REQUIREMENTS

PART 1 – GENERAL

1.1 SCOPE

- A. This section identifies some of the requirements of the OSHA Construction Standard.
- B. Formulation of a site specific safety plan

1.2 CONTRACTOR RESPONSIBILITY

- A. General Safety Provisions - The Contractor shall bear full responsibility to provide safe working conditions for its employees and Contractors. The Contractor shall not permit any employee or subcontractor to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous to the health and safety of the employee.
- B. Accident Prevention - The Contractor shall bear the responsibility of maintaining an accident prevention program such that frequent and regular inspections of the job site, materials and equipment are made by a competent person designated by the employer.
- C. Use of Equipment - The Contractor shall not permit the use of any machinery, tool, material, or equipment that is not in compliance with OSHA regulations. The employer shall permit only those employees qualified by training and/or experience to operate equipment and machinery.
- D. MSDS Sheets - Adhesives sealants and primers used produce odorous vapors which are a tremendous concern with the Air Traffic Controllers. Submit MSDS sheets of all materials.

1.3 CONTRACTOR RESPONSIBILITY

- A. The FAA shall not be held responsible for safety inspections to assure Contractor conformance with the OSHA safety regulations. The FAA, however, reserves the right to notify the Contractor of any deficiencies regarding worker safety.
- B. The FAA will evaluate the Contractor on its safety performance, including that of its Subcontractors. The number and severity of safety and security violations will be considered in this evaluation. Contractor safety violations are cause for termination for default, may result in notification of the Contractor's bonding company, and will affect the Contractor's opportunity to propose on future work. Failure to correct such deficiencies may impact the Contractor's ability to work on future FAA contracts.

1.4 OSHA REGULATIONS

- A. The Contractor shall comply with the latest Occupational Safety and Health Administration regulations (CFR 29 Part 1926) regarding safety in the work area.

- B. The Contractor shall be responsible for obtaining copies of non-FAA referenced documents without additional cost to the FAA. If Contractor requests, a copy of FAA directives may be obtained by contacting the Contracting Officer.
- C. The Contractor is not relieved from adhering to other OSHA requirements not listed herein. The Contractor shall consult the latest referenced OSHA documents for safety regulations.
 - 1. Documents:
 - a) OSHA Documents:
 - 1) CFR 29 Part 1926 Safety and Health Regulations for Construction
 - 2) CFR 29 Part 1910 General Industry Standards Applicable to Construction Industry
 - 2. FAA Documents:
 - a) FAA Order 3900.49 Control of Hazardous Energy During Maintenance, Servicing and Repair.
 - b) FAA Order 3900.19B Occupational Health and Safety Program.

1.5 SAFETY PLAN

The Contractor must develop and implement a site specific comprehensive Health and Safety Plan (HASP) based on the scope of work, for his or her employees as well as others in the area and the properties around. It shall cover all aspects of onsite construction operations and activities associated with the contract. This plan must comply with 29 CFR 1926, FAA Order 3900.19B, other applicable health and safety regulations and any project-specific requirements. The Contractor must provide the Contracting Officer with a copy of this plan. Acceptance of the Contractor's HASP only signifies that the plan generally conforms to the requirements of the contract. It does not relieve the Contractor of the responsibility for providing with a safe and healthful work environment. At a minimum the HASP shall address the following:

- A. Workplace address
- B. Name and address of the principal contractor
- C. Key Personnel, phone nos and addresses
- D. Estimated duration of the work
- E. Hazard assessment and identification of the hazards in the scope of work
- F. Mitigation of hazards and proposed control measures for the risks
- G. Hazard Communication methods
- H. How the controls will be implemented

- I. Personal Protective Equipment
- J. Training
- K. Temperature Extreme
- L. Medical Surveillance
- M. Exposure Monitoring and Air Sampling
- N. Site Control
- O. Emergency Response/Contingency Plan
- P. Emergency Action Plan
- Q. Confined Space Entry
- R. Spill Containment
- S. Documentation and Record Control
- T. Arrangements for monitoring and reviewing controls

The plan must be written so it is easy to understand, signed and dated by the General Contractor. It must be available for the length of the project. The General Contractor cannot allow work to start unless the plan has been discussed with or a copy given to all relevant people and the plan is readily available for inspection. The plan must be amended if there are changes in how risks will be managed. The General Contractor must inform any affected person of the change.

PART 2 – MATERIAL

NOT USED

PART 3 – EXECUTION

3.1 CFR 29 PART 1926 -- SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION

- A. This section contains a partial listing of the referenced OSHA standards. The Contractor is responsible for adhering to all applicable regulations including those not specifically referenced herein.
 - 1. Subpart D (Occupational Health and Environmental Controls) - Contractor shall furnish adequate supply of potable water in containers clearly marked as potable water. Containers containing non-potable water shall be clearly marked. Contractor shall furnish toilet facilities based on the number of employees present on the job-site. A minimum of 1 facility is required for less than 20 employees. See CFR 29 Part 1926 Subpart D for complete requirements.

2. Subpart E (Personal Protective Equipment) - The Contractor shall provide adequate protection for the head, hearing, and eyes for all employees working in an area where hazards to the head, ear and eyes exist. See CFR 29 Part 1926 Subpart E for complete requirements.

A minimum of **Eye and face protection, hard hat, Protective footwear and safety vest are required** on all SL ARTCC construction projects.

Eye and face protection

equipment shall be worn at all times and meet the requirements of ANSI/American Society of Safety Engineers(ASSE) Z87.1, and bear a legible and permanent "Z87" logo to indicate compliance with the standard.

Head protection

All persons working in or visiting hard hat areas shall be required to wear Type I or Type II, Class G or Class E head gear.

Hard hat areas or activities

Are those areas with potential hazard of head injury; in general, all construction areas are considered hard hat areas. However, areas may be considered non-hard hat areas, or activities may be considered non-hard hat activities, if identified and properly documented by the RE.

Protective Footwear.

Personnel shall, as a minimum, wear safety-toed boots meeting ASTM Standards F2413 and F2413 while working on construction sites.

High-visibility Apparel

Or safety vest meeting a minimum, ANSI/ISEA requirements, shall be worn by all construction personnel at all times when on the SL ARTCC site. High visible shirts with contractor logo can be worn if approved by RE.

Employees shall wear clothing suitable for the weather and work conditions.

At a minimum, this shall be:

1. Short sleeve shirts
2. Long pants, (excessively long or baggy pants are prohibited).

3. Subpart I (Tools) - All hand tools and power tools and similar equipment whether furnished by the Contractor or the employee shall be maintained and operated in a safe condition. Personal protection shall be used when applicable. The use of tools shall be limited to the intended use of said tools. See CFR 29 Part 1926 Subpart I for complete requirements.
4. Subpart K (Electrical) - The Contractor shall furnish ground fault protection for all electrical equipment used on the jobsite. Extension cords shall be three wire ground in good shape. Installation of the facilities will require energizing numerous circuits. The Contractor shall protect against electrical shock by methods such as posting warning signs, supplying insulated gloves, applying

contractor locks and tags to circuits that have been de-energized by FAA facility ESU technicians, and other similar methods. See CFR 29 Part 1926 Subpart K for complete requirements.

3.2 CFR 29 PART 1910 -- GENERAL INDUSTRY STANDARDS APPLICABLE TO
CONSTRUCTION INDUSTRY

- A. This section contains a partial listing of the referenced OSHA standards. The Contractor is responsible for adhering to all applicable regulations including those not specifically referenced herein.
1. Section 1910.147 - Contractor shall maintain a written hazardous energy control procedure in accordance with CFR 29 1910.147. The written procedure shall describe contractor's responsibilities regarding shift changes or personnel changes. A specific coordinated lockout/tagout procedure shall be recorded in writing and signed by the Contractor and Contracting Officer with copies to each party. Lockout/tagout plan shall be submitted.
 2. Section 1910.120 - The Contractor shall develop and implement an Emergency Response and Contingency Plan in accordance with OSHA Standard 29 CFR 1910.120. In the event of an emergency associated with remedial action, the Contractor shall, without delay, take diligent action to remove or otherwise minimize the cause of the emergency; alert the Contractor; and institute whatever measures might be necessary to prevent any repetition of the conditions of actions leading to, or resulting in, the emergency. Emergency contact names and telephone numbers shall be posted at all project phones and in site-support vehicles as well as included within the plan. Emergency Plan Shall be submitted.
 3. FAA Order 3900.19B – Occupational Health and Safety Program
 - a) The contractor shall follow all sections of this Order pertaining to the work of under this contract including, but not limited to the following:
 - 1) Chapter 34 Electrical Safety – All energized electrical work shall conform to OSHA standards and latest edition of NFPA 70E. All energized electrical work shall be performed under an energized work permit except as noted in NFPA 70E. The energized work permit shall be submitted to the COTR (RE) for review.

PART 4 – QUALITY ASSURANCE

4.1 SUBMITTALS

Submittals required include, but are not necessarily limited to, the following:

- A. Contractor Safety Plan – FAA to keep 1 copy
- B. Lockout/Tagout Plan
- C. Emergency Plan

D. MSDS

*** END OF SECTION ***